F-150
WHAT'S NEW

- Added features: Driver-Assist Technology / Co-Pilot 360
- "What's New" and "Introduction" pages added to BBLB

F-53 MOTORHOME / F-59 COMMERCIAL CHASSIS
INDEX

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WARNING:
During the production and servicing of these vehicles, due care should be taken to avoid damaging of safety or emissions related systems such as the braking system, fuel lines, sensors, catalysts, etc. through contacting them while working on adjacent areas of the vehicle. Inadvertent damage can also occur due to adjacent welding/cutting operations, people standing near/on unprotected systems while performing other tasks.

Introduction

Important Notices

The information described herein is believed to be correct at the time of publication, but accuracy cannot be guaranteed. Ford reserves the right to discontinue models or change specifications or designs at any time without notice and without incurring any obligation.

Representations regarding the compliance of any Ford-manufactured incomplete vehicle to any rule, regulation or standard issued pursuant to the National Traffic and Motor Vehicle Safety Act or the Canadian Motor Vehicle Safety Act are set forth only in the Incomplete Vehicle Manual (IVM) which accompanies each incomplete vehicle.

Regulations such as those issued by the Federal Highway Administration (FHA) or issued pursuant to the Occupational Safety and Health Act (OSHA), and/or state, provincial, and local laws and regulations may require installation of additional equipment for the particular use intended for the vehicle. It is the responsibility of the subsequent stage manufacturer or completed vehicle alterer and the vehicle purchaser to ascertain how the vehicle will ultimately be used, if FHA, OSHA or state provincial or local regulations apply and how the vehicle as completed will comply with those requirements. Nothing contained herein is to be construed as a representation that such equipment required for the particular use intended has been installed on the completed or incomplete vehicle.

Reference Information

Ford Body Builder Advisory Service Publications

This document is an example of a program-specific Body Builders Layout Book (BBLB) published by the Ford Body Builder Advisory Service (BBAS) team. Each Ford Commercial Truck vehicle line has a similar document that aims to provide detailed information which may be of interest to a subsequent-stage manufacturer or alterer.

The Ford Transit and Transit Connect also have a Body and Equipment Mounting Manual (BEMM), which is a comprehensive resource dedicated to body and equipment mounting information.

Yet another source of program-specific information are the “Vehicle Specification” documents available on the Ford BBAS website. Information typically found in these documents are: vehicle curb and accessory weights, vehicle dimensions, component descriptions, capacities, GAWRs, alternator output, powertrain output and gear ratios.

In addition to the program-specific documents, there are several Ford BBLB documents that contain general best practices or information on specific subjects that span multiple vehicle lines. These include:

- General BBLB - contains Definitions, Design Recommendations and Vehicle Storage Guidelines.
- Snow Plow BBLB
- Pickup Box Removal BBLB

These publications are updated every model year and can be accessed via the web at https://fordbbas.com under “Publications”. For BBLB and BEMM documents, expand the “Body Builder Layout Book” Section to view all available documents. For Vehicle Specifications, expand the “Vehicle Specifications” section. The website search function can be used to filter for specific content or vehicle line.

Ford Body Builder Advisory Service Bulletins

Occasionally, the Ford BBAS team will create an SVE “Bulletin” to address a specific issue or distribute important information in a timely manner. These documents can be accessed via the web at https://fordbbas.com under “Bulletins”. The website search function can be used to filter for specific content or vehicle line.

If applicable, information from each SVE bulletin will be incorporated into the appropriate BBLB document the following model year. In some cases, SVE bulletins will continue to be referenced in this document.

Ford Body Builder Advisory Service Contact

The Ford Truck Body Builder Advisory Service may be consulted if questions regarding the completion of Ford commercial vehicles are not adequately addressed in the documentation described above. For assistance call (877) 840-4338 or e-mail via the web at https://fordbbas.com under “Contact Us” and select “General Questions”.

For Ford vehicle CAD requests, please visit https://fordbbas.com, select “Contact Us” and then “CAD Request”.

For both Questions and CAD Requests, please be as specific as possible with the request details to assure the most accurate and timely response.

Ford Service Publications

Ford Service Technical Resources (including wiring diagrams, repair manuals and diagnostic tool support) are available by subscription via the Motorcraft website: www.motorcraftservice.com

The following publications are examples of digital and printed manuals which are available from Helm Incorporated; call 1-800-782-4356 or contact Helm, Inc. at their website www.helminc.com:

- Ford Truck Shop Manuals
- Ford Towing Manuals
- Ford Wiring Diagrams

F-150
MODEL LINEUP
REGULAR CAB

Cab	WB (in)	Drive	Engine	GVWR (lb)	Payload (lb) (1)	GAWR (lb) (2)				Base Curb Weight (lb)			ARC Wt (lb) (3)	GCWR (lb)
						Front		Rear						
					Max	Min	Max	Min	Max	Front	Rear	Total	Max	Max
Reg Cab	122 6.5' Box	4x2	3.3L PFDI	6,100	1990	2850	3000	3350	3350	2383	1686	4069	521	12,200
			2.7L EcoBoost	6,070	1860	2850	3000	3350	3350	2464	1702	4166	524	13,200
			5.0L Ti-VCT	6,200	1950	2700	2850	3800	3800	2451	1749	4200	569	13,900
		4x4	3.3L PFDI	6,120	1730	2850	3000	3350	3350	2585	1758	4343	472	12,300
			2.7L EcoBoost	6,210	1720	3000	3150	3350	3350	2675	1769	4444	494	13,300
			5.0L Ti-VCT	6,400	1840	3000	3150	3800	3800	2720	1785	4505	543	14,700
	141 8' Box	4x2	3.3L PFDI	6,170	1960	2850	3000	3350	3350	2477	1687	4164	789	12,300
			2.7L EcoBoost	6,220	1920	3000	3150	3350	3350	2558	1697	4255	621	13,200
			2.7L EcoBoost (Payload Package)	6,900	2470	3000	3150	4050	4050	2612	1772	4384	593	13,400
			5.0L Ti-VCT	6,750	2390	3000	3150	3800	3800	2608	1702	4310	666	15,000
			5.0L Ti-VCT (Heavy Payload Package)	7,850	3270	3400	3400	4800	4800	2699	1829	4528	538	16,000
			3.5L EcoBoost	7,050	2640	3150	3150	4050	4050	2635	1730	4365	650	17,000
			3.5L EcoBoost (Heavy Payload Package)	7,850	3230	3400	3400	4800	4800	2709	1859	4568	529	17,100
		4x4	3.3L PFDI	6,390	1920	3150	3225	3350	3350	2718	1700	4418	571	12,300
			2.7L EcoBoost	6,500	1920	3225	3300	3350	3350	2820	1709	4529	610	13,300
			2.7L EcoBoost (Payload Package)	6,800	2110	3225	3375	3800	3800	2859	1777	4636	573	14,100
			5.0L Ti-VCT	6,950	2320	3225	3375	3800	3800	2821	1755	4576	669	16,300
			5.0L Ti-VCT (Heavy Payload Package)	7,850	3150	3400	3400	4800	4800	2839	1806	4645	675	16,200
			3.5L EcoBoost	7,050	2370	3225	3375	4050	4050	2821	1805	4626	631	17,100
			3.5L EcoBoost (Heavy Payload Package)	7,850	3040	3400	3750	4800	4800	2902	1856	4758	593	17,100

NOTE — Weight unit: LBS.

F-150
MODEL LINEUP
SUPER CAB

Cab	WB (in)	Drive	Engine	GVWR (lb)	Payload (lb) (1) Max	GAWR (lb) (2) Front Min	GAWR (lb) (2) Front Max	GAWR (lb) (2) Rear Min	GAWR (lb) (2) Rear Max	Base Curb Weight (lb) Front	Base Curb Weight (lb) Rear	Base Curb Weight (lb) Total	ARC Wt (lb) (3) Max	GCWR (lb) Max
Super Cab	133	4x4	3.5L EcoBoost HO (RAPTOR)	6,650	1000	3450	3550	3550	3550	3116	2392	5508	372	12,050
	145 6.5' Box	4x2	3.3L PFDI	6,300	1840	3000	3225	3350	3350	2560	1855	4415	739	12,300
			2.7L EcoBoost	6,400	1840	3150	3375	3350	3350	2651	1855	4506	814	13,300
			2.7L EcoBoost (Payload Package)	6,750	2120	3150	3375	3800	3800	2673	1903	4576	793	13,300
			5.0L Ti-VCT	6,900	2320	3225	3450	3800	3800	2680	1854	4534	813	15,200
			3.5L EcoBoost	6,900	2260	3225	3450	3800	3800	2698	1892	4590	823	17,100
			3.0L Diesel	7,050	2020	3375	3750	3800	3800	2916	2059	4975	805	17,100
		4x4	3.3L PFDI	6,500	1770	3300	3450	3350	3350	2801	1874	4675	712	12,500
			2.7L EcoBoost	6,500	1640	3375	3570	3350	3350	2903	1903	4806	774	13,300
			2.7L EcoBoost (Payload Package)	7,000	2130	3375	3600	3800	3800	2896	1917	4813	799	14,300
			5.0L Ti-VCT	7,050	2200	3375	3600	3800	3800	2913	1887	4800	835	16,600
			3.5L EcoBoost	7,050	2150	3375	3650	3800	3800	2920	1922	4842	819	17,100
			3.0L Diesel	7,050	1760	3600	3900	3800	3800	3147	2089	5236	790	17,100
			3.0L Diesel (XL/XLT)	7,000	1690	3600	3900	3800	3800	3148	2103	5251	775	17,100
	164 8' Box	4x2	2.7L EcoBoost	6,500	1800	3300	3500	3350	3350	2743	1902	4645	818	13,300
			2.7L EcoBoost (Payload Package)	6,900	2150	3375	3600	3800	3800	2799	1901	4700	771	14,200
			5.0L Ti-VCT	7,000	2290	3375	3600	3800	3800	2790	1865	4655	814	15,300
			5.0L Ti-VCT (Heavy Payload Package)	7,850	3070	3400	3750	4800	4800	2797	1935	4732	776	16,200
			3.5L EcoBoost	7,050	2250	3450	3650	4050	4050	2835	1912	4747	823	17,100
			3.5L EcoBoost (Heavy Payload Package)	7,850	2950	3750	3750	4800	4800	2857	1994	4851	675	17,100
		4x4	5.0L Ti-VCT	7,000	2020	3525	3680	3800	3800	2912	2016	4928	842	16,600
			5.0L Ti-VCT (Heavy Payload Package)	7,850	2760	3750	3750	4800	4800	2984	2046	5030	750	16,200
			3.5L EcoBoost	7,050	2050	3450	3680	4050	4050	2880	2066	4946	880	17,100
			3.5L EcoBoost (Heavy Payload Package)	7,850	2730	3750	3750	4800	4800	2998	2068	5066	726	17,100

NOTE — Weight unit: LBS.

F-150
MODEL LINEUP

Cab	WB (in)	Drive	Engine	GVWR (lb)	Payload (lb) (1)	GAWR (lb) (2)				Base Curb Weight (lb)			ARC Wt (lb) (3)	GCWR (lb)
						Front		Rear						
					Max	Min	Max	Min	Max	Front	Rear	Total	Max	Max
Crew Cab	145 5.5' Box	4x2	3.3L PFDI	6,280	1700	3000	3300	3350	3350	2604	1924	4528	733	12,400
			2.7L EcoBoost	6,360	1710	3150	3375	3350	3350	2672	1931	4603	820	13,300
			2.7L EcoBoost (Payload Package)	6,650	1940	3150	3375	3800	3800	2690	1969	4659	796	13,300
			5.0L Ti-VCT	6,800	2140	3150	3375	3800	3800	2692	1916	4608	816	15,200
			3.5L EcoBoost	6,750	2050	3150	3375	4050	4050	2697	1949	4646	890	17,900
			3.5L EcoBoost HO (Limited Series)	6,750	1560	3300	3375	3800	3800	2951	2184	5135	373	16,700
			3.0L Diesel	7,050	1980	3300	3600	3800	3800	2910	2101	5011	847	17,100
		4x4	3.3L PFDI	6,500	1680	3225	3500	3350	3350	2826	1944	4770	718	12,600
			2.7L EcoBoost	6,600	1690	3300	3570	3350	3350	2905	1954	4859	803	13,300
			2.7L EcoBoost (Payload Package)	6,900	1940	3300	3600	3800	3800	2911	1991	4902	781	14,300
			5.0L Ti-VCT	7,000	2080	3300	3600	3800	3800	2918	1950	4868	858	16,300
			3.5L EcoBoost	7,000	2050	3300	3600	4050	4050	2918	1980	4898	885	18,200
			3.5L EcoBoost HO (Limited Series)	6,750	1270	3525	3600	3800	3800	3196	2228	5424	376	16,700
			3.5L EcoBoost HO (RAPTOR)	7,050	1200	3600	3700	3750	3750	3222	2462	5684	596	14,250
			3.0L Diesel (Auto 4WD)	7,050	1720	3525	3900	3800	3800	3138	2133	5271	832	17,100
			3.0L Diesel (ESOF 4WD)	7,000	1660	3525	3900	3800	3800	3139	2147	5286	794	17,100
	157 6.5' Box	4x2	2.7L EcoBoost	6,500	1820	3225	3450	3350	3350	2746	1882	4628	835	13,300
			2.7L EcoBoost (Payload Package)	6,800	2060	3225	3450	3800	3800	2745	1940	4685	811	14,100
			5.0L Ti-VCT	6,950	2260	3225	3450	3800	3800	2749	1892	4641	850	15,200
			5.0L Ti-VCT (Heavy Payload Package)	7,850	2930	3400	3750	4800	4800	2852	2018	4870	731	16,300
			3.5L EcoBoost	7,000	2270	3225	3525	4050	4050	2763	1912	4675	931	18,600
			3.5L EcoBoost (Heavy Payload Package)	7,850	2870	3400	3750	4800	4800	2874	2055	4929	688	17,100
			3.0L Diesel	7,050	1920	3450	3750	3800	3800	2997	2080	5077	861	17,200
		4x4	5.0L Ti-VCT	7,050	2080	3450	3650	3800	3800	2984	1929	4913	873	16,900
			5.0L Ti-VCT (Heavy Payload Package)	7,850	2710	3750	3750	4800	4800	3066	2020	5086	791	16,300
			3.5L EcoBoost	7,050	2050	3450	3680	4050	4050	2985	1961	4946	895	18,400
			3.5L EcoBoost (Heavy Payload Package)	7,850	2690	3750	3750	4800	4800	3067	2041	5108	777	17,100
			3.5L EcoBoost (Police)	7,050	2040	3450	3680	4050	4050	2990	1966	4955	698	16,100
			3.0L Diesel (Auto 4WD)	7,100	1720	3750	3900	3800	3800	3209	2111	5320	843	17,100
			3.0L Diesel (ESOF 4WD)	7,050	1660	3750	3900	3800	3800	3211	2124	5335	795	17,100

NOTE — Weight unit: LBS.

F-150
MODEL LINEUP
FOOTNOTES

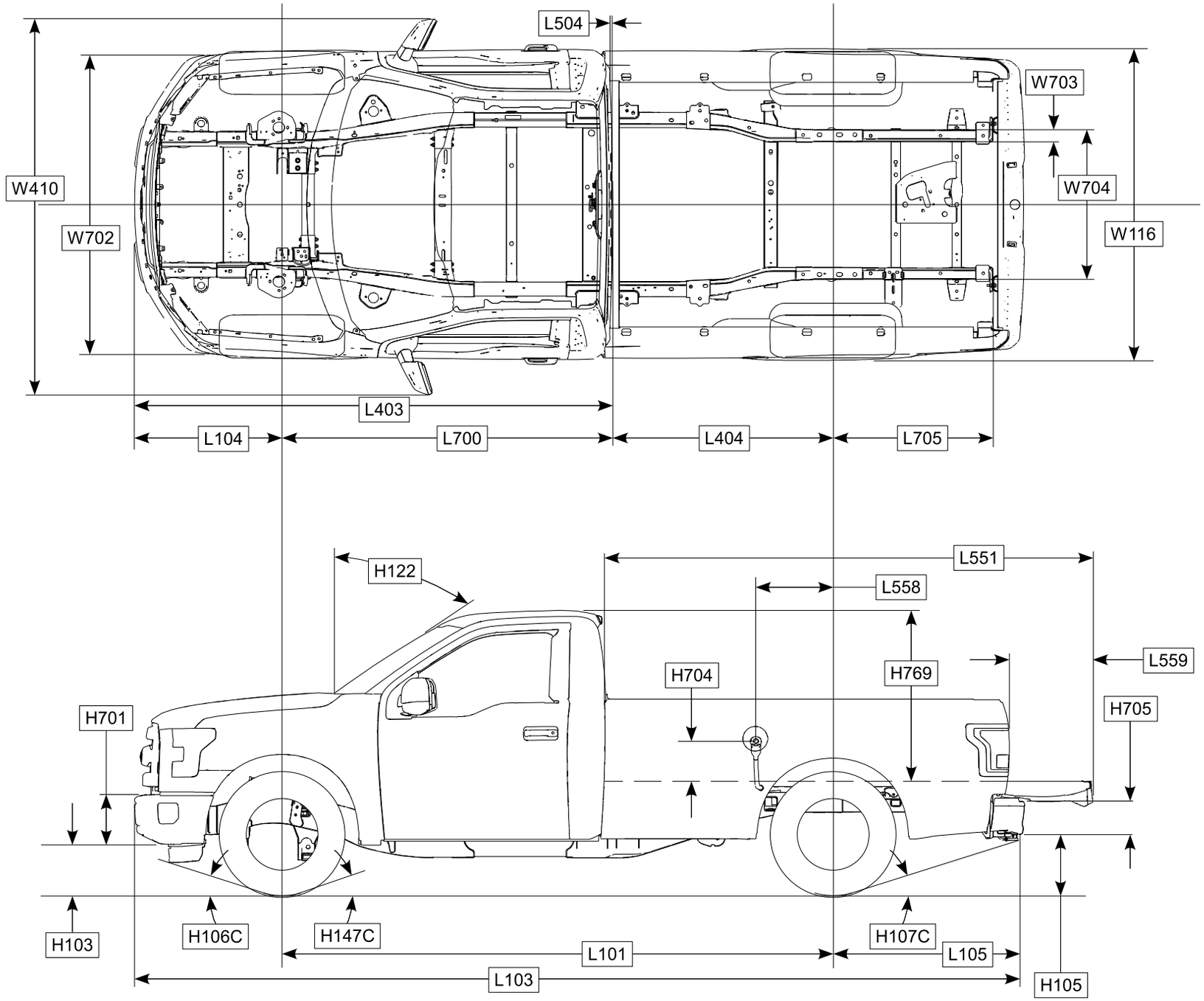
1) Payload rating represents the maximum allowable weight of passengers, cargo and body equipment, and is reduced by optional equipment weight.

2) Gross Axle Weight Rating (GAWR) is determined by the rated capacity of the minimum component of the axle system (axle, computer-selected springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR.

3) Accessory Reserve Capacity (ARC) Weight is the maximum allowable weight of aftermarket equipment for models with standard equipment and the engine/transmission combination indicated. This capacity is reduced by optional equipment weight.

NOTE: Optional Equipment Weights can be found in on the Ford BBAS website.
Navigate to: https://fordbbas.com under “Publications”, expand the “Vehicle Specifications” section and select the vehicle.

F-150
DIMENSIONAL DATA
REGULAR CAB



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F-150
DIMENSIONAL DATA
REGULAR CAB (Cont'd)

CHASSIS

CODE	DESCRIPTION	122.4" WB		141.1" WB	
		4x2	4x4	4x2	4x4
H103	BOTTOM OF FRONT BUMPER VALANCE TO GROUND @ CURB	315 [12.4]	334 [13.1]	304 [12.0]	348 [13.7]
H105	BOTTOM OF REAR BUMPER VALANCE TO GROUND @ CURB	524 [20.6]	576 [22.7]	525 [20.7]	570 [22.4]
H106C	APPROACH ANGLE @ CURB (DEGREES)	24.8	24.8	24.1	25.7
H107C	DEPARTURE ANGLE @ CURB (DEGREES) (TAKEN AT BOTTOM OF BUMPER)	24.6	27.1	24.7	26.8
H147C	RAMP BREAKOVER ANGLE @ CURB (DEGREES)	22.1	24.7	19.3	22.1
L101	WHEELBASE	3109 [122.4]		3583 [141.1]	
L103	VEHICLE LENGTH	5315 [209.3		5789 [227.9]	
L104	FRONT OVERHANG (NO LICENSE PLATE BRACKET)	959 [37.8]			
L105	REAR OVERHANG	1247 [49.1]			
L403	FRONT OF BUMPER TO BACK OF CAB	3087 [121.5]			
L404	CAB TO ℄ OF REAR AXLE	981 [38.6]		1455 [57.3]	
L700	℄ OF FRONT AXLE TO BACK OF CAB	2128 [83.8]			
L705	℄ OF REAR AXLE TO REAR END OF FRAME	1043 [41.1]		1043 [41.1]	
W703	FRAME RAIL WIDTH	68 [2.7]			
W704	REAR FRAME WIDTH	964 [38.0]			

PICKUP BODY

CODE	DESCRIPTION	122.4" WB	141.1" WB
	NOMINAL CARGO BODY SIZE	6.5 FT	8 FT
H704	TOP OF PICKUP BOX FLOOR (HIGHEST POINT) TO ℄ OF FUEL FILLER DOOR	277 [10.9]	
H705	REAR BUMPER HEIGHT	233 [9.2]	
H769	TOP OF PICKUP BOX FLOOR (HIGHEST POINT) TO TOP OF CAB @ ℄ OF REAR AXLE	1113 [43.8]	
L504	CAB TO PICKUP BOX	16 [0.6]	
L551	BOX OVERALL LENGTH TO OPEN TAILGATE (MINIMUM)	2650 [104.3]	3124 [123.0]
L558	℄ OF REAR AXLE TO ℄ OF FUEL FILLER DOOR	505 [19.9]	
L559	LENGTH OF OPEN TAILGATE	543 [21.4]	

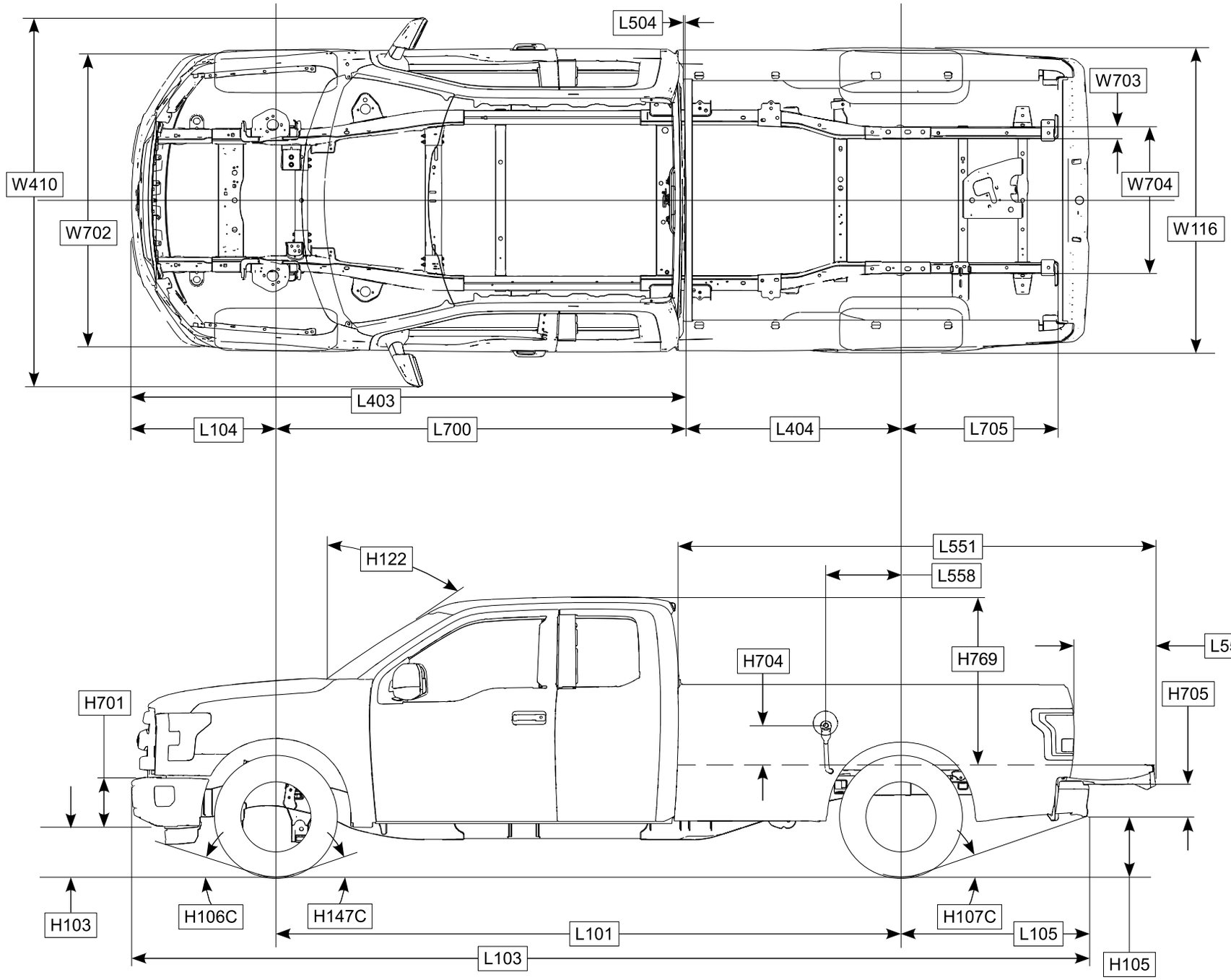
CAB *

CODE	DESCRIPTION	4x2	4x4
H122	WINDSHIELD ANGLE (DEGREES)	55.8	
H701	FRONT BUMPER HEIGHT W/ VALENCES	343 [13.5]	343 [13.5]
W116	VEHICLE BODY WIDTH (MAX W/O MIRRORS)	2030 [79.9]	
W410	VEHICLE WIDTH (MAX W/ STANDARD MIRRORS)	2459 [96.8]	
W410	VEHICLE WIDTH (MAX W/ OPTIONAL TRAILER TOW MIRRORS)	2689 [105.9]	
W702	FRONT BUMPER WIDTH	1946 [76.6]	

* Common cab dimensions between 122.4” & 141.1” WB

NOTE — [ ] DIMENSIONS ARE INCHES.

F-150
DIMENSIONAL DATA
SUPERCAB



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F-150
DIMENSIONAL DATA
SUPERCAB (Cont'd)

CHASSIS

CODE	DESCRIPTION	145" WB		163.7" WB	
		4x2	4x4	4x2	4x4
H103	BOTTOM OF FRONT BUMPER VALANCE TO GROUND @ CURB	309 [12.2]	349 [13.7]	309 [12.2]	353 [13.9]
H105	BOTTOM OF REAR BUMPER VALANCE TO GROUND @ CURB	509 [20.0]	555 [21.9]	519 [20.4]	551 [21.7]
H106C	APPROACH ANGLE @ CURB (DEGREES)	24.4	25.8	24.5	26.1
H107C	DEPARTURE ANGLE @ CURB (DEGREES) (TAKEN AT BOTTOM OF BUMPER)	24.0	26.1	24.4	26.0
H147C	RAMP BREAKOVER ANGLE @ CURB (DEGREES)	18.5	21.2	16.8	19.0
L101	WHEELBASE	3683 [145.0]		4157 [163.7]	
L103	VEHICLE LENGTH	5889 [231.9]		6363 [250.5]	
L104	FRONT OVERHANG (NO LICENSE PLATE BRACKET)	959 [37.8]			
L105	REAR OVERHANG	1247 [49.1]			
L403	FRONT OF BUMPER TO BACK OF CAB	3661 [144.1]			
L404	CAB TO ℄ OF REAR AXLE	981 [38.6]		1455 [57.3]	
L700	℄ OF FRONT AXLE TO BACK OF CAB	2702 [106.4]			
L705	℄ OF REAR AXLE TO REAR END OF FRAME	1043 [41.1]		1043 [41.1]	
W703	FRAME RAIL WIDTH	68 [2.7]			
W704	REAR FRAME WIDTH	964 [38.0]			

PICKUP BODY

CODE	DESCRIPTION	145" WB	163.7" WB
	NOMINAL CARGO BODY SIZE	6.5 FT	8 FT
H704	TOP OF PICKUP BOX FLOOR (HIGHEST POINT) TO ℄ OF FUEL FILLER DOOR	277 [10.9]	
H705	REAR BUMPER HEIGHT	233 [9.2]	
H769	TOP OF PICKUP BOX FLOOR (HIGHEST POINT) TO TOP OF CAB @ ℄ OF REAR AXLE	1118 [44.0]	
L504	CAB TO PICKUP BOX	16 [0.6]	
L551	BOX OVERALL LENGTH TO OPEN TAILGATE (MINIMUM)	2650 [104.3]	3124 [123.0]
L558	℄ OF REAR AXLE TO ℄ OF FUEL FILLER DOOR	505 [19.9]	
L559	LENGTH OF OPEN TAILGATE	543 [21.4]	

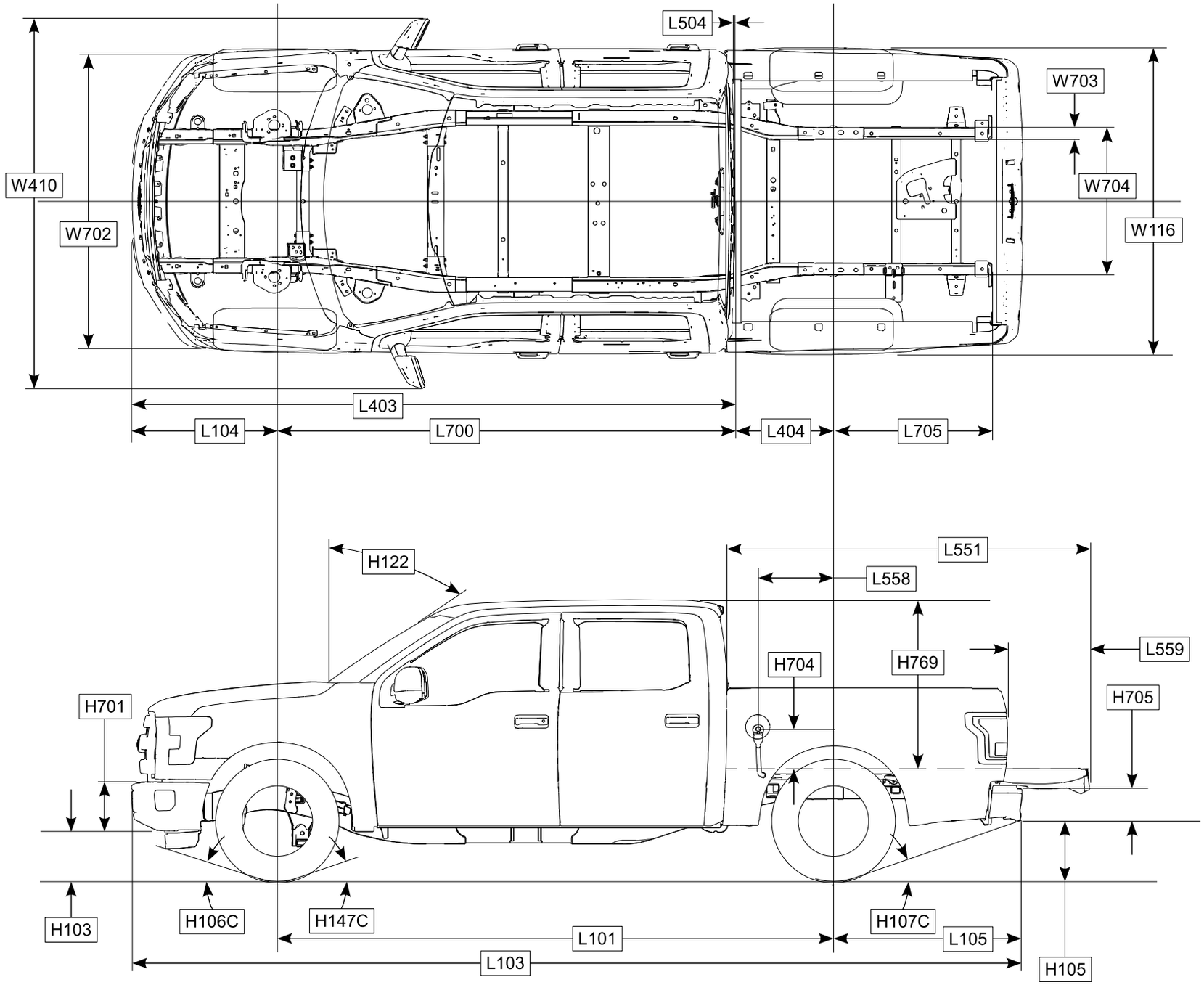
CAB *

CODE	DESCRIPTION	4x2	4x4
H122	WINDSHIELD ANGLE (DEGREES)	55.8	
H701	FRONT BUMPER HEIGHT W/ VALENCES	343 [13.5]	343 [13.5]
W116	VEHICLE BODY WIDTH (MAX W/O MIRRORS)	2030 [79.9]	
W410	VEHICLE WIDTH (MAX W/ STANDARD MIRRORS)	2459 [96.8]	
W410	VEHICLE WIDTH (MAX W/ OPTIONAL TRAILER TOW MIRRORS)	2689 [105.9]	
W702	FRONT BUMPER WIDTH	1946 [76.6]	

* Common cab dimensions between 145” & 163.7” WB

NOTE — [ ] DIMENSIONS ARE INCHES.

F-150
DIMENSIONAL DATA
SUPERCREW



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F-150
DIMENSIONAL DATA
SUPERCREW (Cont'd)

CHASSIS

CODE	DESCRIPTION	145" WB		156.8" WB	
		4x2	4x4	4x2	4x4
H103	BOTTOM OF FRONT BUMPER VALANCE TO GROUND @ CURB	304 [12.0]	345 [13.6]	299 [11.8]	344 [13.5]
H105	BOTTOM OF REAR BUMPER VALANCE TO GROUND @ CURB	506 [19.9]	551 [21.9]	521 [20.5]	560 [22.0]
H106C	APPROACH ANGLE @ CURB (DEGREES)	24.1	25.5	23.8	25.5
H107C	DEPARTURE ANGLE @ CURB (DEGREES) (TAKEN AT BOTTOM OF BUMPER)	23.8	26.0	24.5	26.4
H147C	RAMP BREAKOVER ANGLE @ CURB (DEGREES)	18.3	21.0	17.2	19.7
L101	WHEELBASE	3683 [145.0]		3983 [156.8]	
L103	VEHICLE LENGTH	5889 [231.9]		6189 [243.7]	
L104	FRONT OVERHANG (NO LICENSE PLATE BRACKET)	959 [37.8]			
L105	REAR OVERHANG	1247 [49.1]			
L403	FRONT OF BUMPER TO BACK OF CAB	3961 [155.9]			
L404	CAB TO ℄ OF REAR AXLE	681 [26.8]		981 [38.6]	
L700	℄ OF FRONT AXLE TO BACK OF CAB	3002 [118.2]			
L705	℄ OF REAR AXLE TO REAR END OF FRAME	1043 [41.1]		1043 [41.1]	
W703	FRAME RAIL WIDTH	68 [2.7]			
W704	REAR FRAME WIDTH	964 [38.0]			

PICKUP BODY

CODE	DESCRIPTION	145" WB	156.8" WB
	NOMINAL CARGO BODY SIZE	5.5 FT	6.5 FT
H704	TOP OF PICKUP BOX FLOOR (HIGHEST POINT) TO ℄ OF FUEL FILLER DOOR	277 [10.9]	
H705	REAR BUMPER HEIGHT	233 [9.2]	
H769	TOP OF PICKUP BOX FLOOR (HIGHEST POINT) TO TOP OF CAB @ ℄ OF REAR AXLE	1118 [44.0]	
L504	CAB TO PICKUP BOX	16 [0.6]	
L551	BOX OVERALL LENGTH TO OPEN TAILGATE (MINIMUM)	2350 [92.5]	2650 [104.3]
L558	℄ OF REAR AXLE TO ℄ OF FUEL FILLER DOOR	505 [19.9]	
L559	LENGTH OF OPEN TAILGATE	543 [21.4]	

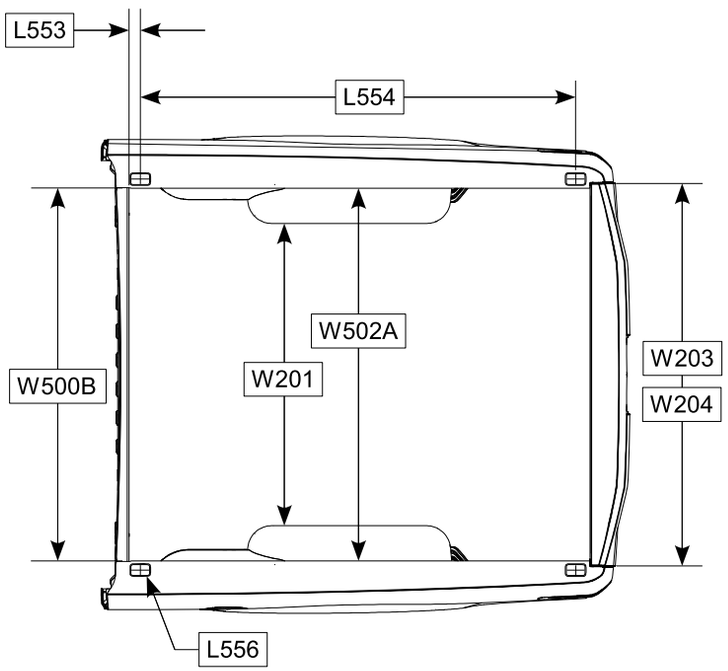
CAB *

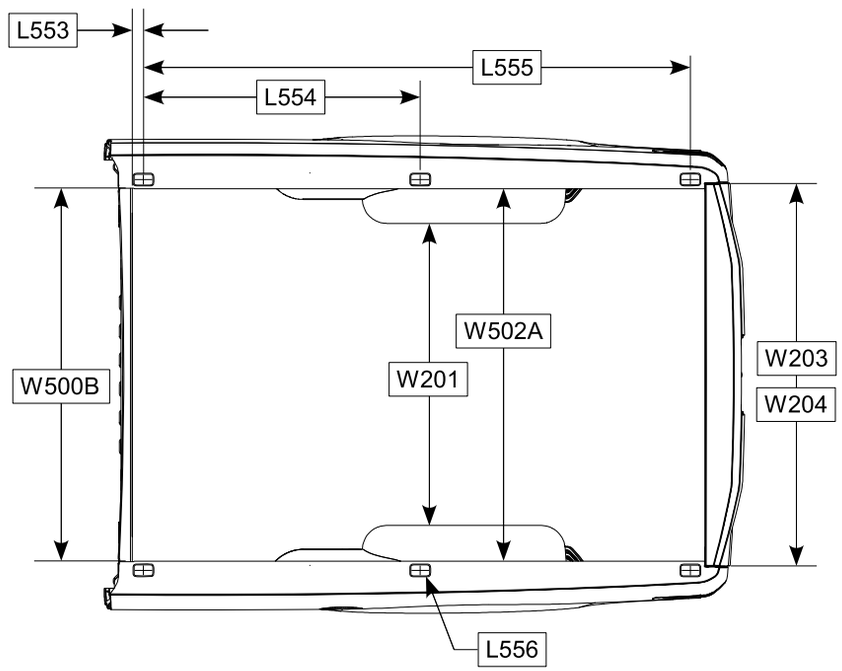
CODE	DESCRIPTION	4x2	4x4
H122	WINDSHIELD ANGLE (DEGREES)	55.8	
H701	FRONT BUMPER HEIGHT W/ VALENCES	343 [13.5]	343 [13.5]
W116	VEHICLE BODY WIDTH (MAX W/O MIRRORS)	2030 [79.9]	
W410	VEHICLE WIDTH (MAX W/ STANDARD MIRRORS)	2459 [96.8]	
W410	VEHICLE WIDTH (MAX W/ OPTIONAL TRAILER TOW MIRRORS)	2689 [105.9]	
W702	FRONT BUMPER WIDTH	1946 [76.6]	

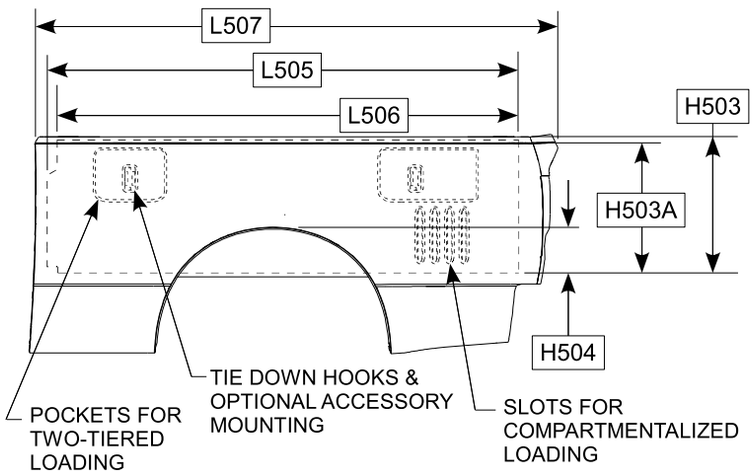
* Common cab dimensions between 145” & 156.8” WB

(Cont'd next page)

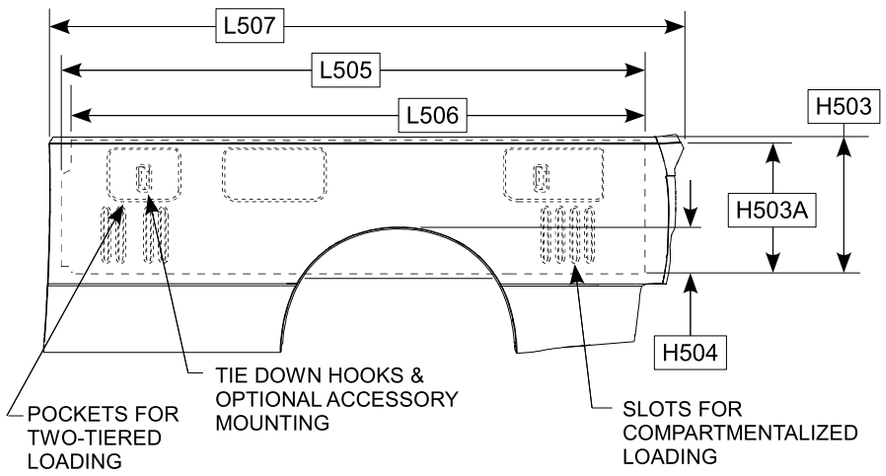
F-150
DIMENSIONAL DATA
STYLESIDE PICKUP BOX







5.5 & 6.5 FT. BOX



8 FT. BOX

(Cont'd next page)

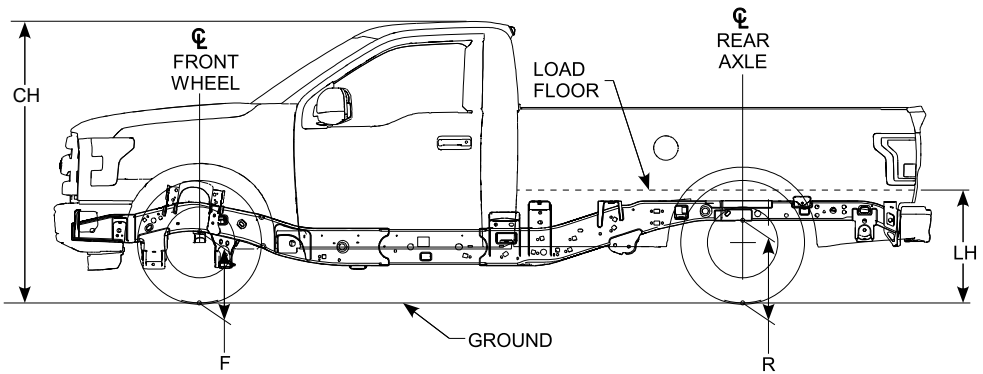
F-150
DIMENSIONAL DATA
STYLESIDE PICKUP BOX (Cont'd)

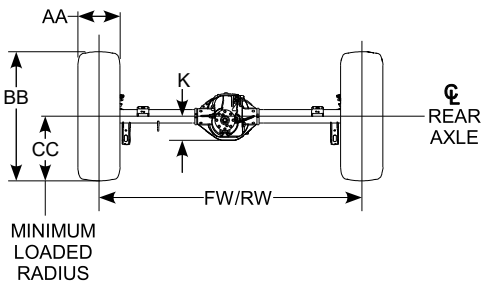
PICKUP BOX

CODE	DESCRIPTION	5.5' STYLESIDE	6.5' STYLESIDE	8' STYLESIDE
H503	CARGO BODY HEIGHT W/ MOLDING	543 [21.4]	543 [21.4]	543 [21.4]
H503A	CARGO BODY HEIGHT WITHOUT MOLDING	534 [21.0]	534 [21.0]	534 [21.0]
H504	WHEELHOUSE HEIGHT	231 [9.1]	231 [9.1]	231 [9.1]
L505	CARGO BODY LENGTH @ FLOOR	1705 [67.1]	2005 [78.9]	2479 [97.6]
L506	CARGO BODY LENGTH @ TOP (BELT)	1662 [65.4]	1962 [77.2]	2436 [95.9]
L507	CARGO BODY OVERALL LENGTH (INCLUDES TAILGATE HANDLE BEZEL)	1958 [77.1]	2258 [88.9]	2732 [107.5]
L553	INSIDE FRONT OF BOX TO ℄ OF STAKE #1	48 [1.9]	48 [1.9]	48 [1.9]
L554	℄ OF STAKE #1 TO ℄ OF STAKE #2	1550 [61.0]	1850 [72.8]	1176 [46.3]
L555	℄ OF STAKE #1 TO ℄ OF STAKE #3	NA NA	NA NA	2324 [91.5]
L556	STAKE POCKET SIZE (L x W)	58 x 43 [2.3 x 1.7]	58 x 43 [2.3 x 1.7]	58 x 43 [2.3 x 1.7]
W201	CARGO WIDTH AT WHEELHOUSE	1285 [50.6]	1285 [50.6]	1285 [50.6]
W203	REAR OPENING WIDTH AT FLOOR	1531 [60.3]	1531 [60.3]	1531 [60.3]
W204	REAR OPENING WIDTH @ TOP (BELT)	1531 [60.3]	1531 [60.3]	1531 [60.3]
W500B	CARGO BODY MAXIMUM INSIDE WIDTH @ FLOOR	1656 [65.2]	1656 [65.2]	1656 [65.2]
W502A	CARGO BODY MAXIMUM INSIDE WIDTH @ ℄ OF REAR AXLE	1686 [66.4]	1686 [66.4]	1686 [66.4]
V5	CARGO VOLUME - LITERS [CU.FT.]	1495 [52.8]	1764 [62.3]	2191 [77.4]

NOTE — [ ] DIMENSIONS ARE INCHES.

F-150
AXLE / TIRE / VEHICLE HEIGHT DATA
REGULAR CAB & SUPERCAB

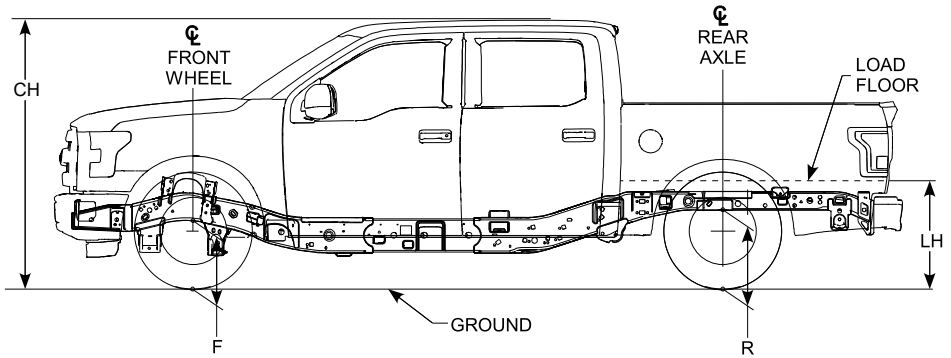


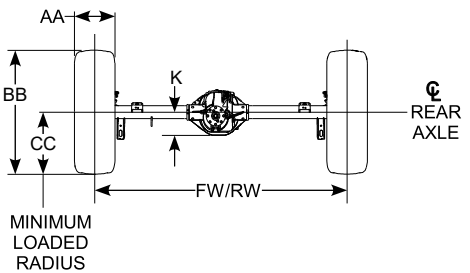


Model	WB inches	GVWR pounds	Base Tire	F Height @ Front Wheel to Bottom of Frame (1)(2) mm [in]		R Height @ Rear Wheel to Bottom of Frame (1)(2) mm [in]		LH (1)(2) mm [in]		CH (1)(2) mm [in]		K mm [in]	AA mm [in]	BB mm [in]	CC mm [in]	FW mm [in]	RW mm [in]
				Height @ Base Curb Weight	Loaded Height @ Spring Rating	Height @ Base Curb Weight	Loaded Height @ Spring Rating	Empty	Loaded	Empty	Loaded						
F-150 Regular Cab 452	122.4	6010	245/70R-17	487 [19.2]	439 [17.3]	638 [25.1]	520 [20.5]	865 [34.1]	724 [28.5]	1918 [75.5]	1830 [72.0]	147 [5.8]	251.5 [9.90]	781.5 [30.77]	347.7 [13.69]	1716 [67.6]	1716 [67.6]
	141.1	6100		476 [18.7]	437 [17.2]	640 [25.2]	520 [20.5]	867 [34.1]	724 [28.5]	1907 [75.1]	1829 [72.0]	147 [5.8]	251.5 [9.90]	781.5 [30.77]	347.7 [13.69]	1716 [67.6]	1716 [67.6]
F-150 Regular Cab 454	122.4	6050	265/70R-17	511 [20.1]	485 [19.1]	683 [26.9]	567 [22.3]	916 [36.1]	770 [30.3]	1954 [76.9]	1876 [73.9]	167 [6.6]	276.1 [10.87]	808.5 [31.83]	358.9 [14.13]	1716 [67.6]	1716 [67.6]
	141.1	6100		520 [20.5]	483 [19.0]	694 [26.9]	567 [22.3]	912 [35.9]	771 [30.4]	1952 [76.9]	1874 [73.8]	167 [6.6]	276.1 [10.87]	808.5 [31.83]	358.9 [14.13]	1716 [67.6]	1716 [67.6]
F-150 SuperCab 452	145	6100	245/70R-17	477 [18.8]	437 [17.2]	628 [24.7]	520 [20.5]	851 [33.5]	725 [28.5]	1917 [75.5]	1834 [72.2]	147 [5.8]	251.5 [9.90]	781.5 [30.77]	347.7 [13.69]	1716 [67.6]	1716 [67.6]
	163.7	7000		478 [18.8]	434 [17.1]	639 [25.2]	516 [20.3]	862 [33.9]	720 [28.3]	1917 [75.5]	1830 [72.0]	147 [5.8]	251.5 [9.90]	781.5 [30.77]	347.7 [13.69]	1716 [67.6]	1716 [67.6]
F-150 SuperCab 454	145	6300	265/70R-17	518 [20.4]	482 [19.0]	673 [26.5]	567 [22.3]	897 [35.3]	771 [30.4]	1960 [77.2]	1880 [74.0]	167 [6.6]	276.1 [10.87]	808.5 [31.83]	358.9 [14.13]	1716 [67.6]	1716 [67.6]
	163.7	7000		520 [20.5]	480 [18.9]	673 [26.5]	563 [22.2]	894 [35.2]	766 [30.2]	1955 [77.0]	1876 [73.9]	167 [6.6]	276.1 [10.87]	808.5 [31.83]	358.9 [14.13]	1716 [67.6]	1716 [67.6]

(1) The Height Data shown represents dimensions of a base/standard vehicle with no options. Actual height may vary due to production tolerances.
(2) Vehicle ride heights are given at tire minimum loaded radius.

F-150
AXLE / TIRE / VEHICLE HEIGHT DATA
SUPERCREW





Model	WB inches	GVWR pounds	Base Tire	F Height @ Front Wheel to Bottom of Frame (1)(2) mm [in]		R Height @ Rear Wheel to Bottom of Frame (1)(2) mm [in]		LH (1)(2) mm [in]		CH (1)(2) mm [in]		K mm [in]	AA mm [in]	BB mm [in]	CC mm [in]	FW mm [in]	RW mm [in]
				Height @ Base Curb Weight	Loaded Height @ Spring Rating	Height @ Base Curb Weight	Loaded Height @ Spring Rating	Empty	Loaded	Empty	Loaded						
F-150 SuperCrew 4x2	145	6150	245/70R-17	473 [18.6]	436 [17.2]	625 [24.6]	520 [20.5]	848 [33.4]	725 [28.5]	1919 [75.6]	1835 [72.2]	147 [5.8]	251.5 [9.90]	781.5 [30.77]	347.7 [13.69]	1716 [67.6]	1716 [67.6]
	156.8	6950		470 [18.5]	435 [17.1]	637 [25.1]	516 [20.3]	862 [33.9]	719 [28.3]	1922 [75.7]	1831 [72.1]	147 [5.8]	251.5 [9.90]	781.5 [30.77]	347.7 [13.69]	1716 [67.6]	1716 [67.6]
F-150 SuperCrew 4x4	145	6350	265/70R-17	514 [20.2]	482 [19.0]	669 [26.3]	567 [22.3]	893 [35.2]	771 [30.4]	1962 [77.2]	1881 [74.1]	167 [6.6]	276.1 [10.87]	808.5 [31.83]	358.9 [14.13]	1716 [67.6]	1716 [67.6]
	156.8	7050		514 [20.2]	481 [18.9]	677 [26.7]	563 [22.2]	902 [35.5]	766 [30.2]	1964 [77.3]	1878 [73.9]	167 [6.6]	276.1 [10.87]	808.5 [31.83]	358.9 [14.13]	1716 [67.6]	1716 [67.6]

(1) The Height Data shown represents dimensions of a base/standard vehicle with no options. Actual height may vary due to production tolerances.
(2) Vehicle ride heights are given at tire minimum loaded radius.

F-150
TIRE & WHEEL DATA

TIRE DATA

Size	Rim Width (in.)	Section Width (in.[mm])	Static loaded Radius (in.[mm])	loaded Diameter
245/70R17 110T A/S BSW	7.5	9.90 [251.5]	13.69 [347.7]	30.77 [781.5]
265/70R17 115T A/S OWL	7.5	10.87 [276.1]	14.13 [358.9]	31.83 [808.5]
265/60R18 110T A/S BSW	7.5	10.39 [264.0]	13.71 [348.2]	30.55 [776.0]
275/65R18 116T A/T OWL	7.5	10.96 [278.5]	14.21 [360.9]	32.31 [820.6]
275/65R18 116T A/T OWL	7.5	10.98 [279.0]	14.33 [364.0]	32.48 [825.0]
275/55R20 113H A/S BSW	8.5	11.00 [279.3]	14.41 [366.0]	32.00 [812.7]
275/55R20 113T A/T OWL	8.5	11.18 [284.0]	14.45 [367.0]	32.36 [822.0]
275/55R20 113T A/T BSW	8.5	11.07 [281.1]	14.36 [364.0]	32.14 [816.4]
275/45R22 112V A/S BSW	9	10.75 [273.0]	14.65 [372.1]	32.09 [815.0]
LT245/70R17 119S A/T BSW	7.5	9.96 [253.0]	14.37 [365.0]	30.75 [781.0]
LT245/65R18 113S A/T OWL	7.5	11.10 [282.0]	14.88 [378.0]	32.20 [818.0]

WHEEL DATA

Wheel Type	Wheel Size (in.)	Inset (in./mm)	No. of Studs	Bolt Circle (in./mm)	Maximum Wheel Capacity Load (lbs.)
Silver Steel	17 x 7.5	1.73/44	6	5.3/135	1825
Silver Painted Aluminum	17 x 7.5	1.73/44	6	5.3/135	1825
6-spoke Machined Aluminum	18 x 7.5	1.73/44	6	5.3/135	1825
Silver Heavy-duty Payload Package	18 x 7.5	1.34/34	6	5.3/135	2101
Machined Aluminum	18 x 7.5	1.34/34	6	5.3/135	1825
Chrome-like PVD	18 x 7.5	1.34/34	6	5.3/135	1825
Machined Aluminum w/Painted Pockets	20 x 8.5	1.73/44	6	5.3/135	1825
Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825
6-spoke Premium Painted Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825
Chrome-like PVD Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825
Polished Aluminum	20 x 8.5	1.73/44	6	5.3/135	1825
Polished Aluminum	22 x 9.0	1.73/44	6	5.3/135	1840

19
F-150

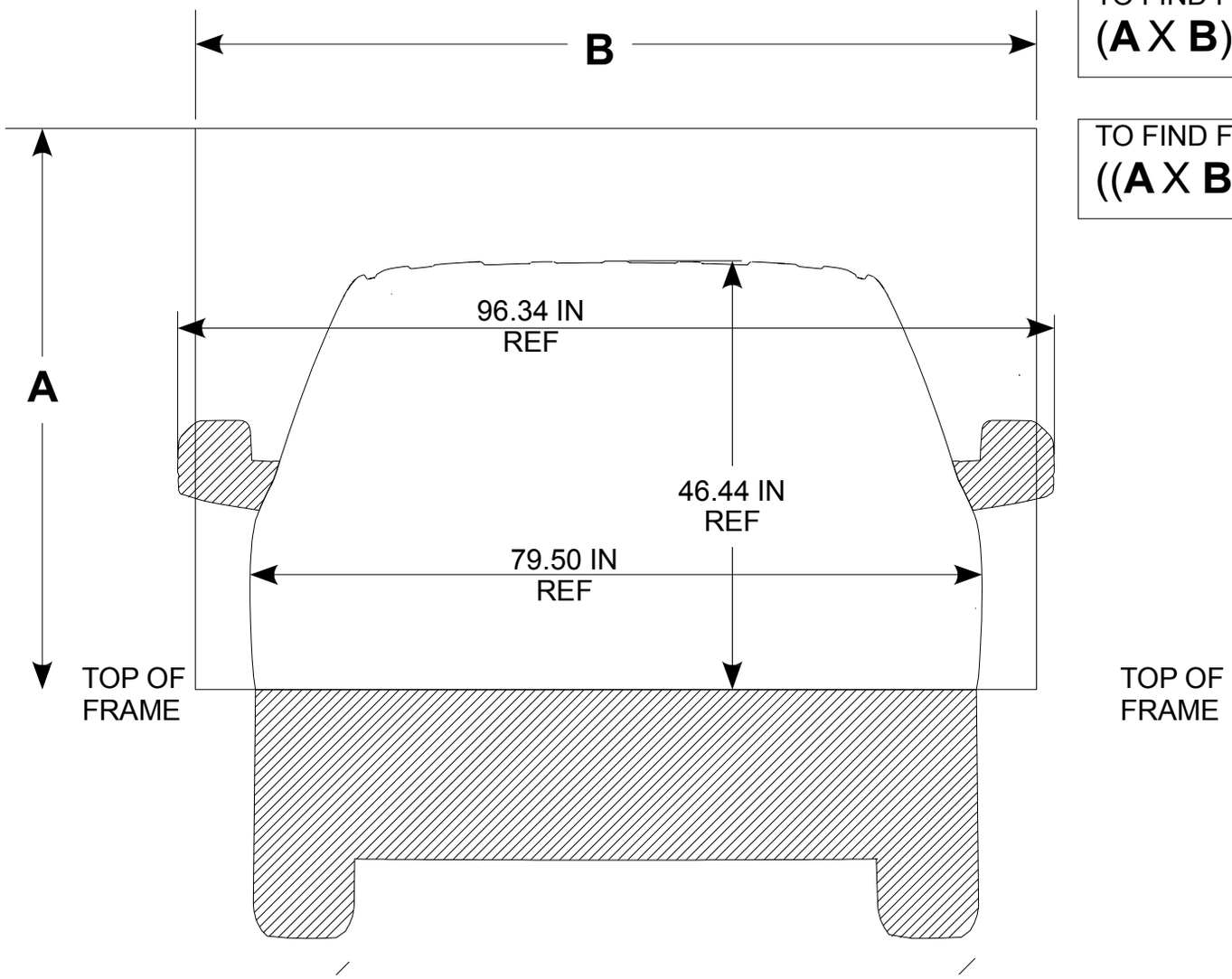
F-150 FRONT SURFACE AREA WORKSHEET

2020
MODEL YEAR

A = BOX HEIGHT IN INCHES
B = BOX WIDTH IN INCHES

TO FIND FRONT SURFACE AREA IN SQ INCHES
(**A** X **B**) + 1785.6 =

TO FIND FRONT SURFACE AREA IN SQ FEET
((**A** X **B**) / 144) + 12.40 =



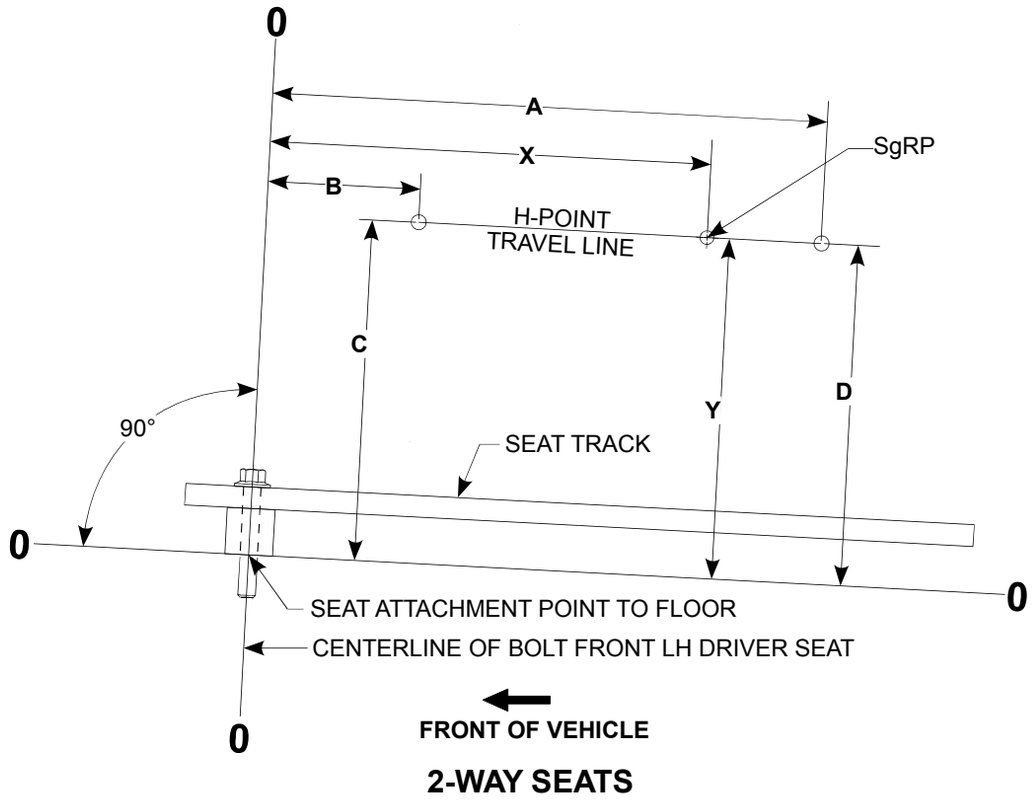
BELOW FRAME SHADED AREA EQUALS
1050376.4 / (25.4 X 25.4) = 1628.0868 SQ. IN.
1628.0868 / (12 X 12) = 11.3062 SQ. FT.

MIRROR SHADED AREA EQUALS
(50822.9 X 2) / (25.4 X 25.4) = 157.5513 SQ. IN.
157.5513 / (12 X 12) = 1.0941 SQ. FT.

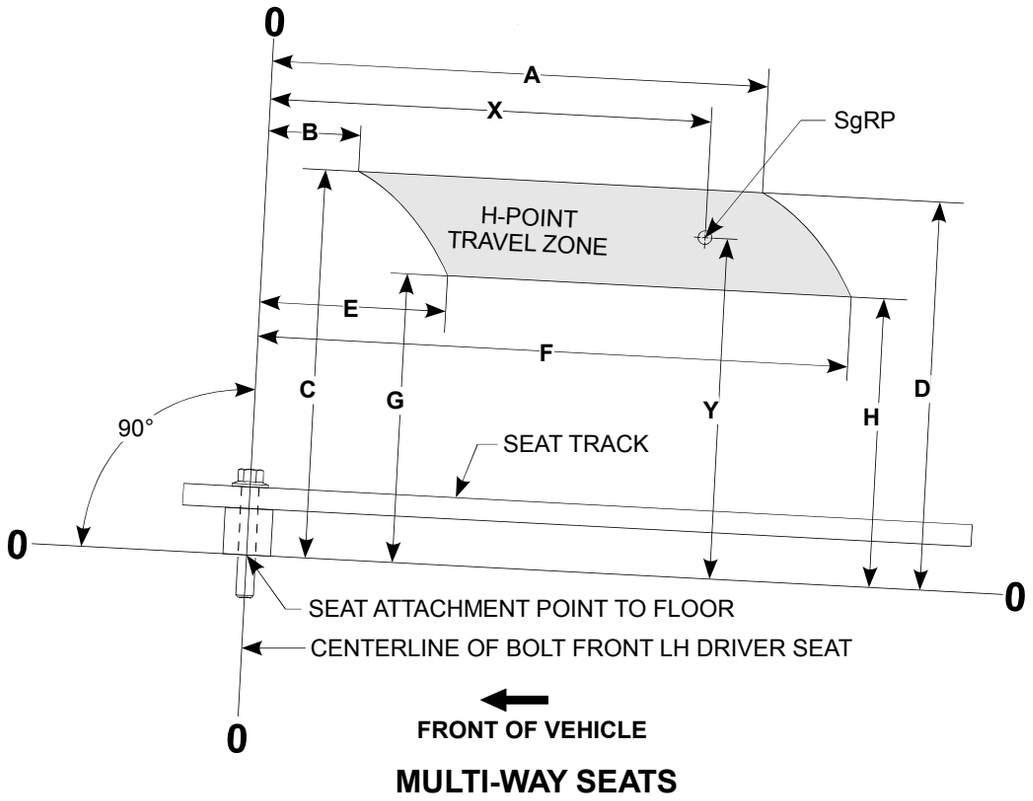
TOTAL SHADED AREA EQUALS
1152022.2 / (25.4 X 25.4) = 1785.6379 SQ. IN.
1785.6379 / (12 X 12) = 12.4002 SQ. FT.

NOTE — [ ] DIMENSIONS ARE INCHES.

F-150
SEAT TRACK & H-POINT DATA



2-WAY SEATS



MULTI-WAY SEATS

SEAT TRAVEL DATA

Seat Model	Seat Dimensions								SgRP Location	
	A	B	C	D	E	F	G	H	X	Y
2-Way Seat	393 [15.5]	138 [5.4]	318 [12.5]	307 [12.0]	—	—	—	—	317 [12.5]	311 [12.2]
8-Way Seat	354 [13.9]	98 [3.9]	350 [13.8]	339 [13.3]	158 [6.2]	413 [16.3]	287 [11.3]	276 [10.9]	317 [12.5]	311 [12.2]
10-Way Seat	354 [13.9]	98 [3.9]	350 [13.8]	339 [13.3]	158 [6.2]	413 [16.3]	287 [11.3]	276 [10.9]	317 [12.5]	311 [12.2]
Seat Track Angle To Top Of Frame = 2.5°										

NOTE — [ ] DIMENSIONS ARE INCHES.

CHANGE CONTROL INDEX

LTRS	REVISIONS		
ORIGINATOR	CHECKER	ENGR APP	MATL APP
			INITIAL RELEASE
CHLL34-1B347-AA-21-FNA-ECN/1 RELEASED			20190904
KVINOTH4	RWAGNE43	DIACOVON	--